

NOTICE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two condition: (1) This device may not cause harmful interface, and (2) This device must accept any interface received, including Interface that may cause undesired operation.

This equipment has been tested and found comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interface when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interface to radio communications. Operation of this equipment in a residential area is likely to cause harmful interface in which case the user will be required to correct the interface at his own expense.

- ☛ All brand and trademark are belonged to their respective owner.
- ☛ Specifications are subject change without notice.

Symbologies

2

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Installation

- 1) First of all, you must make sure that the power is disconnected from your equipment before connecting the scanner. Besides, you also have to check the cable connector of the scanner match your equipment interface correctly.
 - 2) Boot up your computer after connecting the scanner with your equipment, the scanner will make a long music and light the LED, above scanner to indicate a successful power on. Trigger the button, the scan line in front of scanner will active. Now you can start to set programming optimal usage.
- ☛ If any of the above operation is not right, turn off the power immediately and check any improper connections. Go through all above steps again.
 - ☛ If still not work properly. Please contact with dealer.

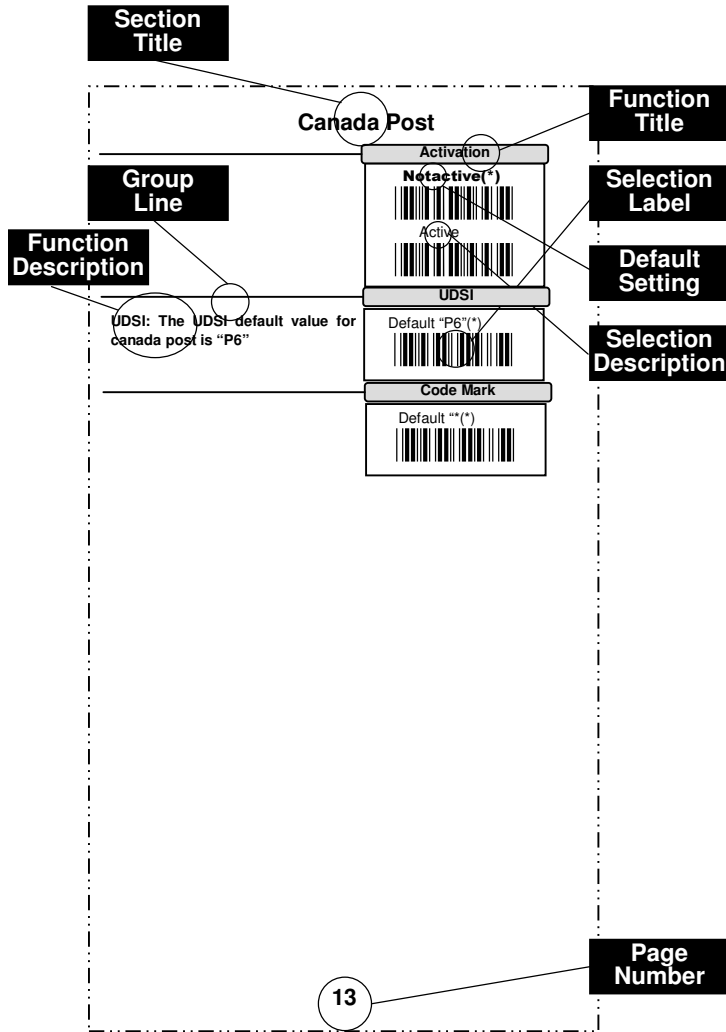
Default Setting

| Code Type | Read Enable | UDSI |
|------------------------|-------------|------|
| Australian Post | | P3 |
| Aztec | | D3 |
| BPO | | P2 |
| Canada Post | | P6 |
| Codabar | ✓ | B7 |
| Codablock A | | K0 |
| Codablock F | | K1 |
| Code-11 | | C1 |
| Code-39 | ✓ | B1 |
| Code-93 | | B6 |
| Code-128 | ✓ | B3 |
| DataMatrix | | D0 |
| Dutch Post | | P4 |
| GS1 composite -A/B | | G0 |
| GS1 composite -C | | G1 |
| Interleaved 2 of 5 | | B2 |
| Japan Post | | P5 |
| Matrix 2 of 5 | | B4 |
| Maxicode | | D2 |
| Micro PDF 417 | | C8 |
| MSI Code | | B8 |
| PDF 417 | | C7 |
| Planet | | P1 |
| Plessey Code | | C2 |
| Postnet | | P0 |
| QR Code | | D1 |
| GS1 DataBar (RSS14) | | C3 |
| GS1 DataBar (Limited) | | C4 |
| GS1 DataBar (Expanded) | | C5 |
| Standard 2 of 5 | | B5 |
| Telepen | | C6 |
| TLC 39 | | H0 |
| UPC-A | ✓ | A0 |
| UPC-E | ✓ | E0 |
| EAN-13 | ✓ | F |
| EAN-8 | ✓ | FF |

| Adjustment | Result |
|----------------|---------|
| Beep Tone | 2090 Hz |
| Beep Duration | 80 mSec |
| Timeout | 2 Sec |
| Preamble Data | <NULL> |
| Postamble Data | <CR> |

Manual Label Layout

The scanner must be set by reading the barcode labels in manual. The discription of label is as follows.



Australian Post





Frequent Question

Q: Why scanner block the keyboard operation?











A: Check the cable connection with your equipment, then turn power on again.

☛ Call to the dealer if scanner dose not work properly







Australian Post

| | |
|---|---|
| <p>Activation</p> <p>not active(*)</p>  <p>active</p>  | <p>Australian Post symbology</p> |
| <p>UDSI</p> <p>Default "P3"(*)</p>  | <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> |
| <p>Code mark</p> <p>Default "(**"(*)</p>  | <p>symbology identifier: see "Data transmission settings (Code mark transmission).</p> |

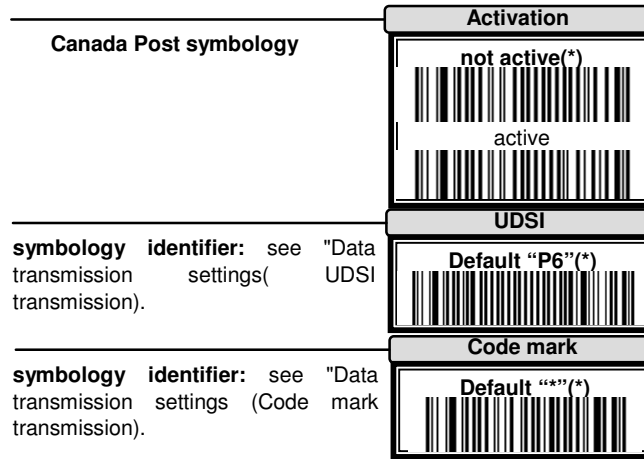
Aztec

| | |
|--|---|
| <p>Two-dimensional matrix style symbology. - Can encode around 3000 characters using entire 256-byte ASCII.</p> | <p>Activation</p> <p>not active(*)</p>  <p>active</p>  |
| <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> | <p>UDSI</p> <p>Default "D3"(*)</p>  |
| <p>symbology identifier: see "Data transmission settings (Code mark transmission).</p> | <p>Code mark</p> <p>Default "*"(*)</p>  |
| | <p>EAN128 Emulation</p> <p>not active(*)</p>  <p>active</p>  |
| | <p>Structure Append Mode</p> <p>not active(*)</p>  <p>active</p>  |
| | <p>Runes</p> <p>not active(*)</p>  <p>active</p>  |













BPO

| | |
|--|---|
| Activation not active(*)  active  | British Post Office symbology |
| UDSI Default "P2"(*)  | symbology identifier: see "Data transmission settings(UDSI transmission)" |
| Code mark Default "****"(*)  | symbology identifier: see "Data transmission settings (Code mark transmission)". |
| Check Digit Transmission active(*)  not active  | |





Canada Post







Codabar

| | |
|--|--|
| Activation | numerical symbology |
| <p>active(*)</p>  <p>not active</p>  | |
| Start/Stop Transmission | |
| <p>not transmitted(*)</p>  <p>a,b,c,d</p>  <p>A,B,C,D</p>  <p>a,b,c,d/t,n*,e</p>  <p>DC1,DC2,DC3,DC4</p>  | |
| UDSI | symbology identifier: see "Data transmission settings" |
| <p>Default "B7"(*)</p>  | |
| Code mark | (UDSI transmission). |
| <p>Default "D"(*)</p>  | |
| Check Digit | symbology identifier: see "Data transmission settings (Code mark transmission)". |
| <p>not used(*)</p>  <p>checked and transmitted</p>  <p>checked and not transmitted</p>  | |

Codabar

| | |
|--|--|
| <p>Spaces inserted after characters 1, 5, 10 in the 14-character label (used in the USA by libraries using the CLSI system). Example: "39990000192148" is transmitted as "3 9990 00019 2148"</p> | <p>CLSI Library system</p>  <p>The diagram shows two barcode segments. The top segment is labeled "not active(*)" and the bottom segment is labeled "active".</p> |
| <p>No Restriction: Concatenates all adjacent codes regardless of start stop values. Stop1=start2: Only concatenates adjacent codes if stop character of first code = start character of second code: ABC: Only concatenates adjacent codes if stop character of first code = D and start character of second code = D</p> | <p>Concatenation mode</p>  <p>The diagram shows three barcode segments. The top segment is labeled "No restrictions(*)", the middle segment is labeled "stop1 =start2", and the bottom segment is labeled "ABC(American Blood Commission)".</p> |
| <p>Disable : No concatenation. Transmit concatenated codes only: Does not transmit single codes, only transmit concatenated codes that comply with the current activation mode. Transmit all codes: Transmits single codes and concatenated codes that comply with the current activation mode</p> | <p>Concatenation</p>  <p>The diagram shows three barcode segments. The top segment is labeled "disable(*)", the middle segment is labeled "transmit concatenated codes only", and the bottom segment is labeled "transmit all codes".</p> |
| | <p>Length mode</p>  <p>The diagram shows two barcode segments. The top segment is labeled "L1 as minimum length(*)" and the bottom segment is labeled "L1,L2,L3 as fixed lengths".</p> |

Codablock A

| | |
|--|---|
| Activation | CodaBlock A : 2-dimensional alphanumerical symbology. |
| <p>not active(*)</p>  <p>active</p>  | |
| UDSI | |
| <p>Default "K0"(*)</p>  | symbology identifier: see "Data transmission settings(UDSI transmission)" |
| Code mark | |
| <p>Default "*"(*)</p>  | symbology identifier: see "Data transmission settings (Code mark transmission)". |

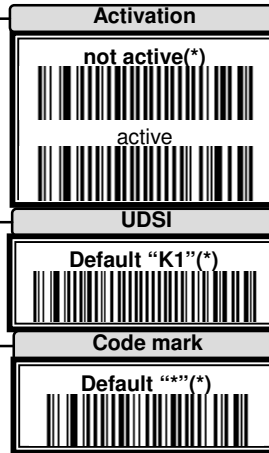
Codablock F

Codeblock F: 2-dimensional alphanumerical symbology










we recommend that you deactivate Code 128 if possible (to avoid confusion with Code 128)

symbology identifier: see "Data transmission settings(UDSI transmission).





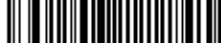

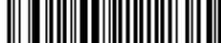
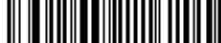
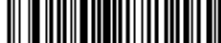
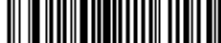

symbology identifier: see "Data transmission settings (Code mark transmission).













Code 11

| | |
|--|--|
| Activation not active(*)  active  | Code 11: numerical symbology |
| UDSI Default "C1"(*)  | symbology identifier: see "Data transmission settings(UDSI transmission). |
| Code mark Default "*"(*)  | symbology identifier: see "Data transmission settings (Code mark transmission). |
| Check Digit Transmission Not transmitted(*)  Transmitted  | |
| Check Digit Verification 1 digit(*)  2 digits  | |
| Length mode L1 as minimum length  | |

Code39 /Trioptic Code 39

| | |
|---|--|
| <p>Code 39/ Trioptic code 39: Alphanumeric symbology.</p> | <p>Activation</p> <p>active(*)</p>  <p>not active</p>  |
| <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> | <p>UDSI</p> <p>Default "B1"(*)</p>  |
| <p>symbology identifier: see "Data transmission settings (Code mark transmission).</p> | <p>Code mark</p> <p>Default ""(*)</p>  |
| <p>Format: standard 43 characters (default) or full ASCII.</p> | <p>Format</p> <p>Standard(*)</p>  <p>Full ASCII</p>  |
| | <p>Start/Stop transmission</p> |
| | <p>not active(*)</p>  <p>active</p>  |
| | <p>Accepted Start Character</p> |
| | <p>\$ Only(*)</p>  <p>* Only</p>  <p>\$ and *</p>  |

Code39 /Trioptic Code 39

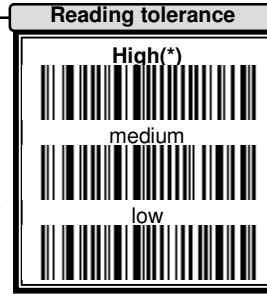
| Check Digit | |
|---|---|
| <p data-bbox="565 222 678 243">not used(*)</p>  <p data-bbox="509 302 734 344">modulo 43 checked and transmission</p>  <p data-bbox="496 403 747 445">modulo 43 checked but not transmission</p>  <p data-bbox="496 504 747 546">French CIP checked and transmission</p>  <p data-bbox="509 604 734 646">French CIP checked but not transmission</p>  <p data-bbox="509 705 734 747">Italian CPI checked and transmission</p>  <p data-bbox="496 806 747 848">Italian CPI checked but not transmission</p>  | <p data-bbox="769 210 1127 252">Modulo 43 : Provides extra validation of data.</p> <p data-bbox="769 289 1081 390">French CIP: - French pharmaceutical industry - Only used for codes with 7 characters.</p> <p data-bbox="769 420 1127 550">Italian CPI: - Italian pharmaceutical industry, also known as Code 32. - Transmitted as standard Code 39 if checksum not validated.</p> |
| Length mode | |
| <p data-bbox="509 951 734 972">L1 as minimum length</p>  | |
| Reading range | |
| <p data-bbox="574 1081 672 1102">normal(*)</p>  <p data-bbox="574 1161 672 1182">extended</p>  | <p data-bbox="769 1066 1114 1142">- Applies a special algorithm for long-distance reading (default setting).</p> <p data-bbox="769 1146 1114 1192">- Use the "normal" setting if distance reading is not required.</p> |

Code39 /Trioptic Code 39






- Sets the tolerance level for reading hard to read bar codes.

- High = most permissive (reads codes of variable quality).


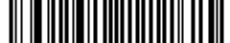








- Low = least permissive (only reads high quality codes that meet official Code 39 standards)













Code 93

| | |
|--|---|
| Activation | |
| <p>not active(*)</p>  <p>active</p>  | <p>Code 93: Alphanumeric full ASCII symbology.</p> |
| UDSI | |
| <p>Default "B6"(*)</p>  | <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> |
| Code mark | |
| <p>Default "D"(*)</p>  | <p>symbology identifier: see "Data transmission settings (Code mark transmission).</p> |
| Length mode | |
| <p>L1 as minimum length</p>  | |











Code 128/EAN 128/ISBT

| | |
|---|---|
| <p>Code 128: Alphanumeric full ASCII symbology.</p> | <div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">Code 128 Activation</div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>active(*)</p>  <p>not active</p>  </div> |
| <p>GS1-128 = Code 128 with the FNC1 character in the first position</p> | <div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">EAN 128 Activation</div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>active(*)</p>  <p>not active</p>  </div> |
| <p>ISBT: International Society of Blood Transfusion. - Activating ISBT 128 deactivates Code 128 / GS1-128 (to avoid confusion with Code 128 / GS1-128).</p> | <div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">ISBT 128 Activation</div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>not active(*)</p>  <p>active</p>  </div> |
| <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> | <div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">Code128 UDSI</div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Default "B3"(*)</p>  </div> |
| <p>symbology identifier: see "Data transmission settings (Code mark transmission).</p> | <div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">Code128 Code mark</div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Default "D"(*)</p>  </div> |
| | <div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">EAN128 UDSI</div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Default "C9"(*)</p>  </div> |
| | <div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">EAN128 Code mark</div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Default "D"(*)</p>  </div> |

Code 128/EAN 128/ISBT

| | |
|--|---|
| <p>Check digit Verification</p> <p>not active(*)</p>  <p>active</p>  | |
| <p>unconventional</p> <p>active(*)</p>  <p>not active</p>  | <p>Unconventional GS1-128: has two FNC1 characters at the beginning instead of one</p> |
| <p>GTIN processing</p> <p>not active(*)</p>  <p>active</p>  | <p>GTIN :Global Trade Item Number. - To use GTIN processing you must also activate the GS1-128 symbology. IMPORTANT: when GS1-128 and GTIN processing are both activated it is not possible to read normal GS1-128 codes.</p> |
| <p>Identifier</p> <p>include(*)</p>  <p>remove</p>  | <p>- The JC1 AIM identifier for GS1-128 is automatically added by default in front of GS1-128 bar codes.</p> |
| <p>Concatenation</p> <p>Authorized ISBT 128 code pairs only(*)</p>  <p>all ISBT 128 code pairs</p>  | |

Code 128/EAN 128/ISBT

| | |
|--|--|
| <p>IMPORTANT:</p> <ul style="list-style-type: none">- Codes are not concatenated by default (default transmission setting is "single codes only").- You must select one of the "concatenated codes" transmission options to send concatenated codes. | <p>Concatenation Transmission</p> <p>disable(*)</p>  <p>concatenated codes only</p>  <p>single and concatenated codes</p>  |
| <p>- Default = GS function character (ASCII 29).</p> | <p>Separator character</p> <p><GS>(1Dh)(*)</p>  |
| <p>- Applies a special algorithm for long-distance reading (default setting).</p> <p>- Use the "normal" setting if distance reading is not required.</p> | <p>Reading range</p> <p>Extended(*)</p>  <p>Normal</p>  |
| <p>- Sets the tolerance level for reading hard to read bar codes.</p> | <p>Reading Tolerance</p> <p>High(*)</p>  <p>medium</p>  <p>low</p>  |
| | <p>Length mode</p> <p>L1 as minimum length(*)</p>  |

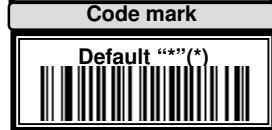
Data Matrix



Data Matrix:
- Two-dimensional symbology.
- Can encode up to approximately 2000 characters.







symbology identifier: see "Data transmission settings(UDSI transmission)"













symbology identifier: see "Data transmission settings (Code mark transmission)".

Dutch post

| | |
|--|--|
| Dutch postal barcode | Activation not active(*)  active  |
| symbology identifier: see "Data transmission settings(UDSI transmission) | UDSI Default "P4"(*)  |
| symbology identifier: see "Data transmission settings (Code mark transmission) | Code mark Default "****"(*)  |

GS1 composite

| | |
|--|---|
| <p>CC-A/B Activation</p> <p>not active(*)</p>  <p>active</p>  | <p>GS1 Composite: Symbology consisting of a linear component and an adjacent 2-D composite component.</p> |
| <p>CC-C Activation</p> <p>not active(*)</p>  <p>active</p>  | |
| <p>CC-A/B UDSI</p> <p>Default "G0"(*)</p>  | <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> |
| <p>CC-A/B Code mark</p> <p>Default "****"(*)</p>  | <p>Symbology identifier: See" Data transmission settings (code mark transmission).</p> |
| <p>CC-C UDSI</p> <p>Default "G1"(*)</p>  | <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> |
| <p>CC-C Code mark</p> <p>Default "****"(*)</p>  | <p>Symbology identifier: See" Data transmission settings (code mark transmission).</p> |
| <p>Linear Only Transmission Mode</p> | |
| <p>not active(*)</p>  <p>active</p>  | <p>- Applied to all composite codes. - Allows you to decide to only transmit the linear code</p> |

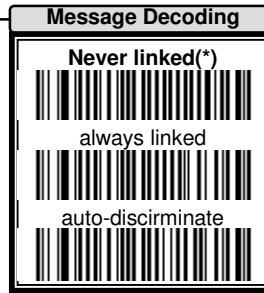
GS1 composite

Only applied to composite codes based on EAN/UPC.











Auto Discriminate: Scanner decides if it needs to search or not for an attached code.

Always Linked: Scanner always searches for an attached code.

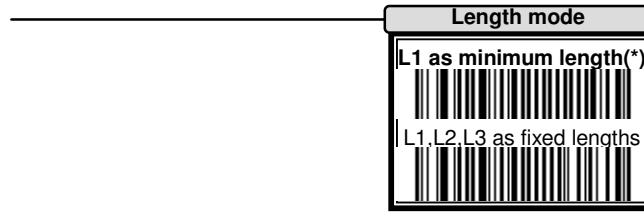
Never linked: Scanner never searches for an attached code.



Interleaved 2 of 5

| | |
|--|--|
| Activation | |
| not active(*)  active  | Interleaved 2 of 5: Numerical symbology |
| UDSI | |
| Default "B2"(*)  | symbology identifier: see "Data transmission settings(UDSI transmission)" |
| Code mark | |
| Default ""(*)  | Symbology identifier: See" Data transmission settings (code mark transmission)" |
| Reading Range | |
| Extended(*)  normal  | <ul style="list-style-type: none"> - Applies a special algorithm for long-distance reading (default setting). - Use the "normal" setting if distance reading is not required |
| Check Digit | |
| Not used(*)  mod10 checked and transmission  mod10 checked but not transmission  French CIP HR checked and transmission  French CIP HR checked but not transmission | |

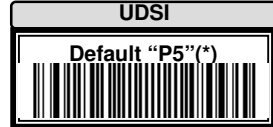
Interleaved 2 of 5



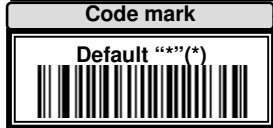
Japan Post



Japan Post: postal barcode.










symbology identifier: see "Data transmission settings(UDSI transmission)"











Symbology identifier: See" Data transmission settings (code mark transmission).



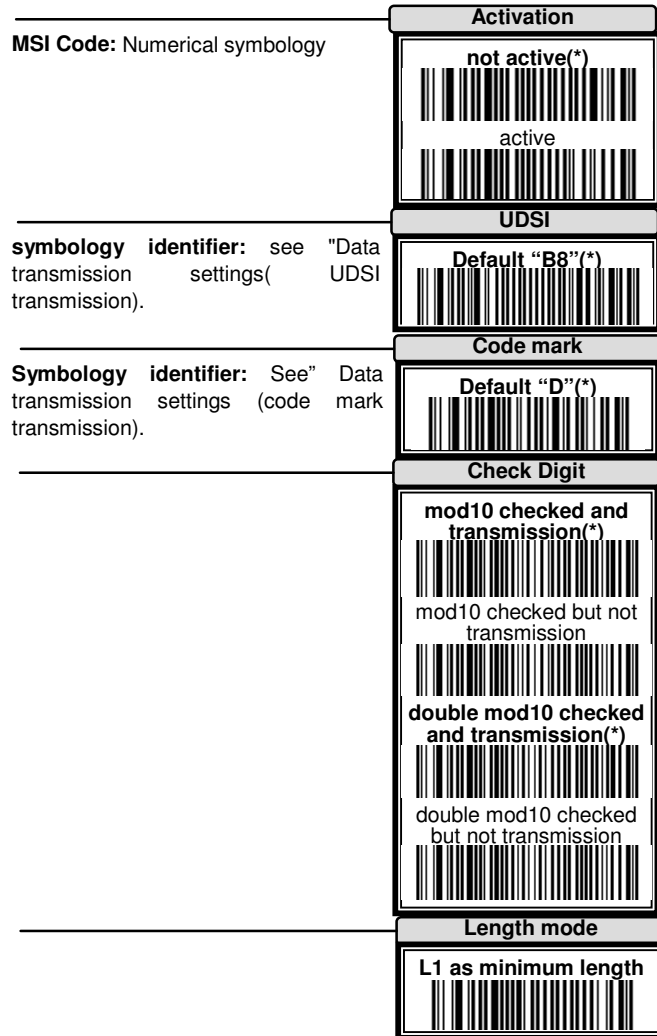
Matrix 2 of 5

| | |
|--|---|
| Matrix 2 of 5: Numerical symbology. | <p style="text-align: center;">Activation</p> <p style="text-align: center;">not active(*)</p>  <p style="text-align: center;">active</p>  |
| symbology identifier: see "Data transmission settings(UDSI transmission)" | <p style="text-align: center;">UDSI</p> <p style="text-align: center;">Default "B4"(*)</p>  |
| Symbology identifier: See" Data transmission settings (code mark transmission). | <p style="text-align: center;">Code mark</p> <p style="text-align: center;">Default "D"(*)</p>  |
| | <p style="text-align: center;">start/stop Transmission</p> |
| | <p style="text-align: center;">regular(*)</p>  <p style="text-align: center;">China Post</p>  |
| | <p style="text-align: center;">Length mode</p> <p style="text-align: center;">L1 as minimum length</p>  |











Maxicode











| | |
|--|---|
| <p>Activation</p> <p>not active(*)</p>  <p>active</p>  | <p>Maxicode: Two-dimensional alphanumeric symbology used by UPS.</p> |
| <p>UDSI</p> <p>Default "D2"(*)</p>  | <p>symbology identifier: see "Data transmission settings(UDSI transmission)"</p> |
| <p>Code mark</p> <p>Default "*"(*)</p>  | <p>Symbology identifier: See" Data transmission settings (code mark transmission).</p> |
| <p>Mode 0</p> <p>not active (*)</p>  <p>active</p>  | <p>- This mode is obsolete. - We do not recommend using this mode</p> |
| <p>Mode 0 Header</p> <p>regular (*)</p>  <p>extended</p>  | |

MSI Code









PDF 417

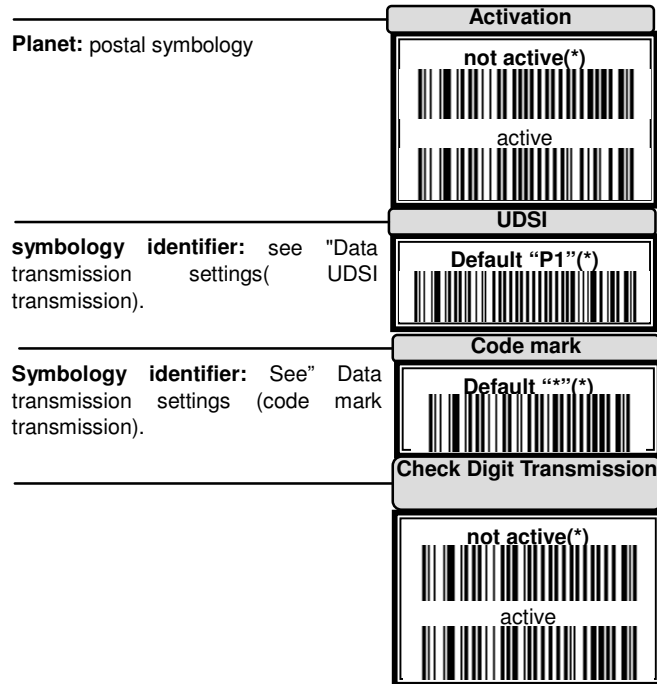
| | |
|---|---|
| <p style="text-align: center;">Activation</p> <p style="text-align: center;">not active(*)</p>  <p style="text-align: center;">active</p>  | <p>PDF417: Two-dimensional symbology.</p> |
| <p style="text-align: center;">UDSI</p> <p style="text-align: center;">Default "C7"(*)</p>  | <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> |
| <p style="text-align: center;">Code mark</p> <p style="text-align: center;">Default "*"(*)</p>  | <p>Symbology identifier: See" Data transmission settings (code mark transmission)</p> |
| <p style="text-align: center;">control header transmission</p> | <p>Only present in macro PDF codes</p> |
| <p style="text-align: center;">not transmitted(*)</p>  <p style="text-align: center;">transmitted</p>  | <p>Only present in macro PDF codes</p> |
| <p style="text-align: center;">segment count transmission</p> | <p>Optional filed: Transmit additional information if present in the label. (segment count)</p> |
| <p style="text-align: center;">not transmitted(*)</p>  <p style="text-align: center;">transmitted</p>  | <p>Optional filed: Transmit additional information if present in the label. (segment count)</p> |
| <p style="text-align: center;">time stamp transmission</p> | <p>Optional filed: Transmit additional information if present in the label. (Time stamp)</p> |
| <p style="text-align: center;">not transmitted(*)</p>  <p style="text-align: center;">transmitted</p>  | <p>Optional filed: Transmit additional information if present in the label. (Time stamp)</p> |

| | |
|--|---|
| <p>Optional filed: Transmit additional information if present in the label. (Checksum transmission).</p> | <p>checksum transmission</p> <p>not active(*)</p>  <p>active</p>  |
| <p>Optional filed: Transmit additional information if present in the label. (file name)</p> | <p>File name Transmission</p> <p>not active(*)</p>  <p>active</p>  |
| <p>Optional filed: Transmit additional information if present in the label. (Sender)</p> | <p>sender transmission</p> <p>not active(*)</p>  <p>active</p>  |
| <p>Optional filed: Transmit additional information if present in the label. (Addresssss)</p> | <p>addressee transmission</p> <p>not active(*)</p>  <p>active</p>  |
| <p>Optional filed: Transmit additional information if present in the label. (File size)</p> | <p>file size transmission</p> <p>not active(*)</p>  <p>active</p>  |








Mirco PDF 417

| | |
|---|---|
| <p>Activation</p> <p>not active(*)</p>  <p>active</p>  | <p>Micro PDF417: Two-dimensional symbology.</p> |
| <p>UDSI</p> <p>Default "C8"(*)</p>  | <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> |
| <p>Code mark</p> <p>Default "*"(*)</p>  | <p>Symbology identifier: See" Data transmission settings (code mark transmission)</p> |
| <p>Code 128 emulation</p> <p>not active(*)</p>  <p>active</p>  | <p>- When active and reading a MicroPDF code containing a special flag, the scanner transmits the Code 128 AIM symbology identifier instead of the MicroPDF symbology identifier ()C instead of)L)</p> |

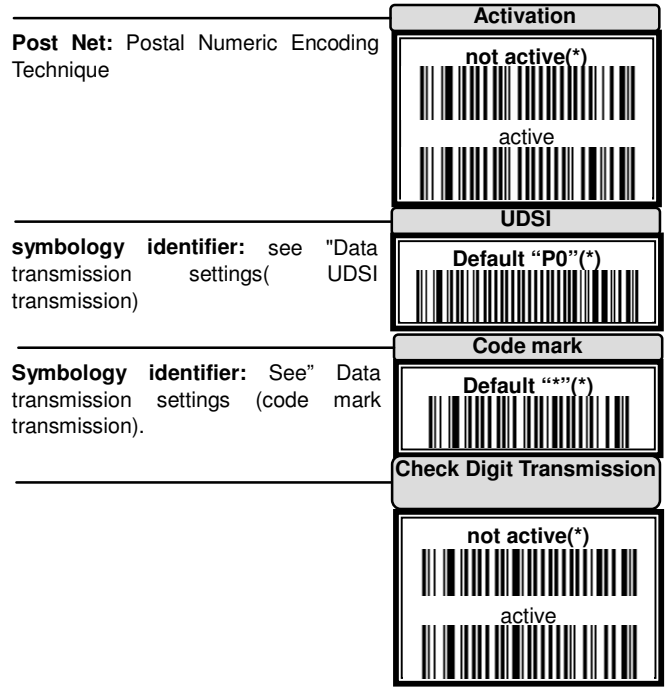
Planet



Plessey Code

| | |
|--|--|
| Activation not active(*)  active  | Plessey Code: Numerical symbology |
| UDSI Default "C2"(*)  | symbology identifier: see "Data transmission settings(UDSI transmission)" |
| Code mark Default "D"(*)  | Symbology identifier: See" Data transmission settings (code mark transmission)" |
| Check Digit Transmission not active(*)  active  | |
| Length mode L1 as minimum length  | |

Postnet

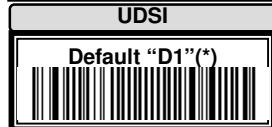


QR Code

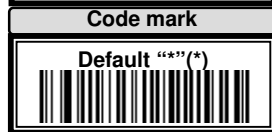


QR code: Two-dimensional matrix symbology.

- Can encode up to 2509 numeric or 1520 alphanumeric characters
- Offers three levels of error detection







symbology identifier: see "Data transmission settings(UDSI transmission).



Symbology identifier: See" Data transmission settings (code mark transmission)

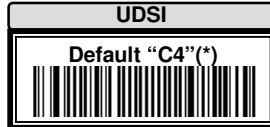
GS1 DataBar (RSS14)

| | |
|--|---|
| - Also known as Reduced Space Symbology (RSS). | <p style="text-align: center;">Activation</p> <p style="text-align: center;">not active(*)</p>  <p style="text-align: center;">active</p>  |
| symbology identifier: see "Data transmission settings(UDSI transmission). | <p style="text-align: center;">UDSI</p> <p style="text-align: center;">Default "C3"(*)</p>  |
| Symbology identifier: See" Data transmission settings (code mark transmission). | <p style="text-align: center;">Code mark</p> <p style="text-align: center;">Default "4*"(*)</p>  |

GS1 DataBar (Limited)



RSS limited: Numerical symbology.
- Does not read stacked version.



symbology identifier: see "Data transmission settings(UDSI transmission)".



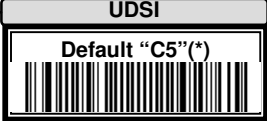
Symbology identifier: See" Data transmission settings (code mark transmission).

GS1 DataBar (Expanded)

- Reads the following types of GS1 DataBar Expanded:
 GS1 DataBar Expanded
 GS1 DataBar Expanded Stacked














symbology identifier: see "Data transmission settings(UDSI transmission).



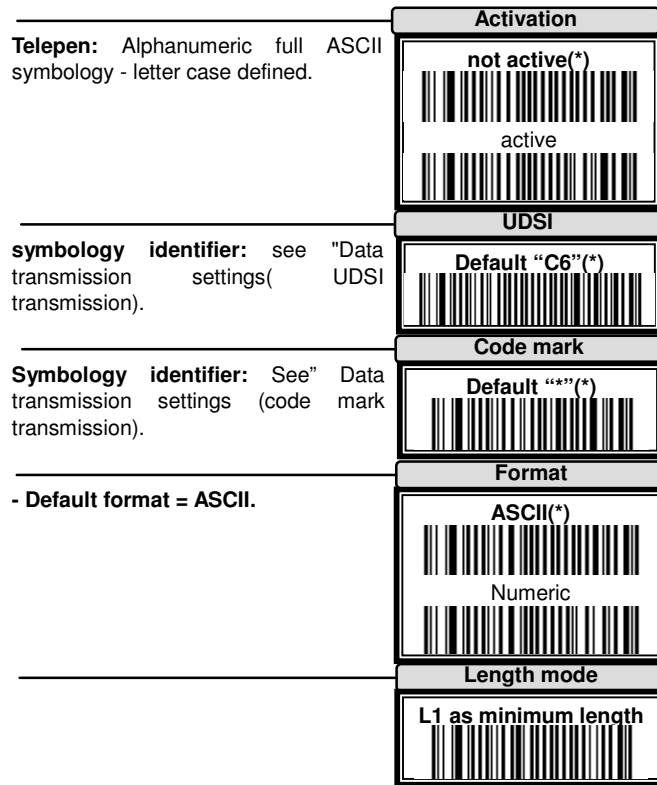
Symbology identifier: See" Data transmission settings (code mark transmission).










Standard 2 of 5

| | |
|---|---|
| <div style="border: 1px solid black; padding: 2px; text-align: center; background-color: #f0f0f0;">Activation</div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">not active(*)</p>  <p style="text-align: center;">active</p>  </div> | <hr/> <p>Standard 2 of 5: Numerical symbology.</p> <p>- Also referred to as "Straight 2 of 5" and "Industrial 2 of 5."</p> |
| <div style="border: 1px solid black; padding: 2px; text-align: center; background-color: #f0f0f0;">UDSI</div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Default "B5"(*)</p>  </div> | <hr/> <p>symbology identifier: see "Data transmission settings(UDSI transmission)."</p> |
| <div style="border: 1px solid black; padding: 2px; text-align: center; background-color: #f0f0f0;">Code mark</div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Default "D"(*)</p>  </div> | <hr/> <p>Symbology identifier: See" Data transmission settings (code mark transmission)."</p> |
| <div style="border: 1px solid black; padding: 2px; text-align: center; background-color: #f0f0f0;">format</div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Identicon(6 start/stop bars)(*)</p>  <p style="text-align: center;">Computer Identics(4 start/stop bars)</p>  </div> | <hr/> <p>Default format = Identicon (6 start/stop bars).</p> |
| <div style="border: 1px solid black; padding: 2px; text-align: center; background-color: #f0f0f0;">Check Digit</div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Not used(*)</p>  <p style="text-align: center;">checked and transmitted mod 10</p>  <p style="text-align: center;">checked but not transmitted mod 10</p>  </div> | <hr/> |
| <div style="border: 1px solid black; padding: 2px; text-align: center; background-color: #f0f0f0;">Length mode</div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">L1 as minimum length</p>  <p style="text-align: center;">L1,L2,L3 as fixed lengths</p>  </div> | <hr/> |













Telepen













TLC 39

| | |
|---|--|
| <p>Activation</p> <p>not active(*)</p>  <p>active</p>  | <p>TLC 39: Symbology consisting of two elements: MicroPDF417 code and a Code 39 code.</p> |
| <p>UDSI</p> <p>Default "H0"(*)</p>  | <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> |
| <p>Code mark</p> <p>Default "x"(*)</p>  | <p>Symbology identifier: See" Data transmission settings (code mark transmission).</p> |
| <p>Linear transmission only</p> | |
| <p>not active(*)</p>  <p>active</p>  | |
| <p>ECI security</p> <p>10(*)</p>  | <p>ECI Security: - Used to differentiate between TLC 39 and standard Code 39.</p> |

UPC/EAN

| | |
|---|--|
| <p>UPC-A: Numerical symbology.</p> | <p style="text-align: center;">UPC-A Activation</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">active(*)</p>  <p style="text-align: center;">not active</p>  </div> |
| <p>UPC-E: Numerical symbology</p> | <p style="text-align: center;">UPC-E Activation</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">active(*)</p>  <p style="text-align: center;">not active</p>  </div> |
| <p>EAN-13: Numerical symbology.</p> | <p style="text-align: center;">EAN-13 Activation</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">active(*)</p>  <p style="text-align: center;">not active</p>  </div> |
| <p>EAN-8: Numerical symbology.</p> | <p style="text-align: center;">EAN-8 Activation</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">active(*)</p>  <p style="text-align: center;">not active</p>  </div> |
| <p>UPC-E1: Numerical symbology.</p> | <p style="text-align: center;">UPC-E1 Activation</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">not active(*)</p>  <p style="text-align: center;">active</p>  </div> |
| <p>symbology identifier: see "Data transmission settings(UDSI transmission).</p> | <p style="text-align: center;">UPC-A UDSI</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Default "A0"(*)</p>  </div> |
| <p>Symbology identifier: See" Data transmission settings (code mark transmission).</p> | <p style="text-align: center;">UPC-E UDSI</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Default "E0"(*)</p>  </div> |

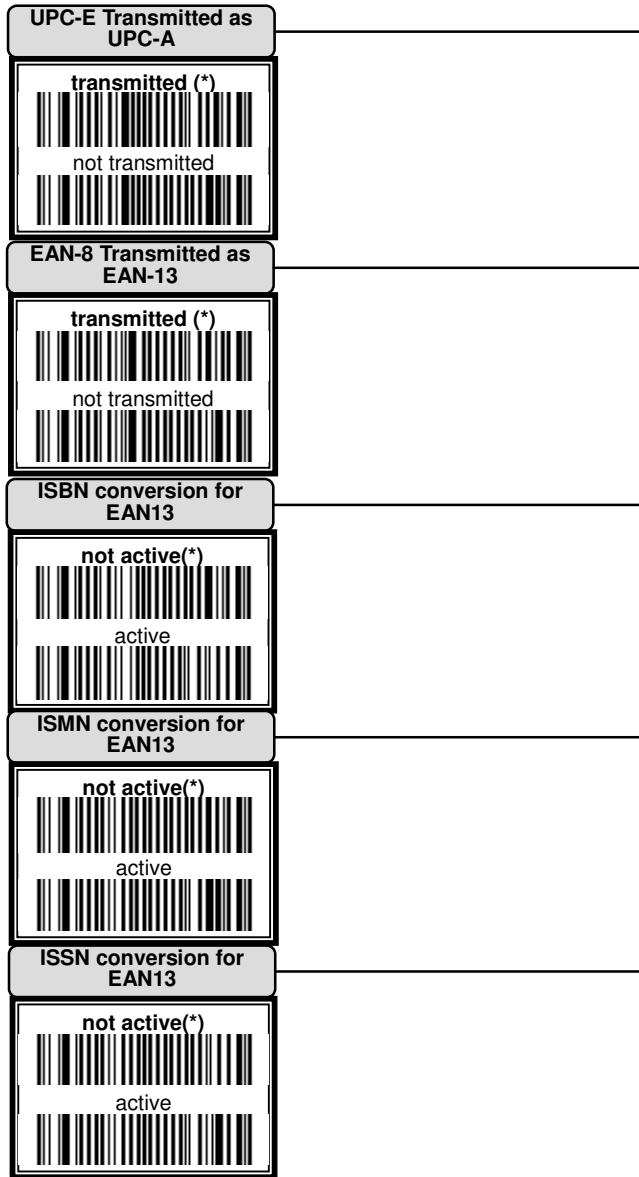
UPC/EAN

| | |
|--|--|
| <p>EAN-13 UDSI</p> <p>Default "F"(*)</p>  | <p> symbology identifier: see "Data transmission settings(UDSI transmission).</p> |
| <p>EAN-8 UDSI</p> <p>Default "FF"(*)</p>  | <p> symbology identifier: see "Data transmission settings(UDSI transmission).</p> |
| <p>UPC-A Code mark</p> <p>Default "A"(*)</p>  | <p> Symbology identifier: See" Data transmission settings (code mark transmission).</p> |
| <p>UPC-E Code mark</p> <p>Default "E"(*)</p>  | <p> Symbology identifier: See" Data transmission settings (code mark transmission).</p> |
| <p>EAN-13 Code mark</p> <p>Default "F"(*)</p>  | <p> Symbology identifier: See" Data transmission settings (code mark transmission).</p> |
| <p>EAN-8 Code mark</p> <p>Default "FF"(*)</p>  | <p> Symbology identifier: See" Data transmission settings (code mark transmission).</p> |
| <p>UPC-A Check Digit Transmission</p> <p>transmitted (*)</p>  <p>not transmitted</p>  | |
| <p>UPC-E Check Digit Transmission</p> <p>transmitted (*)</p>  <p>not transmitted</p>  | |












UPC/EAN



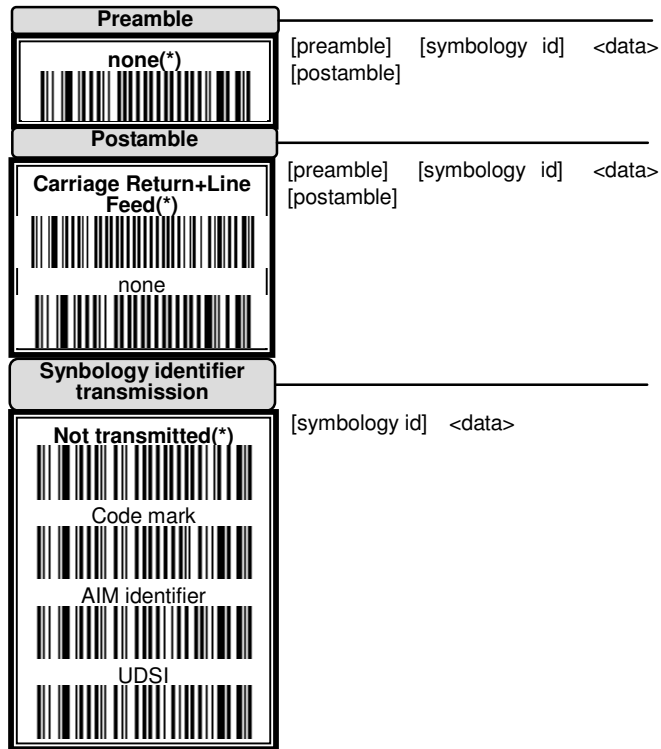
UPC/EAN



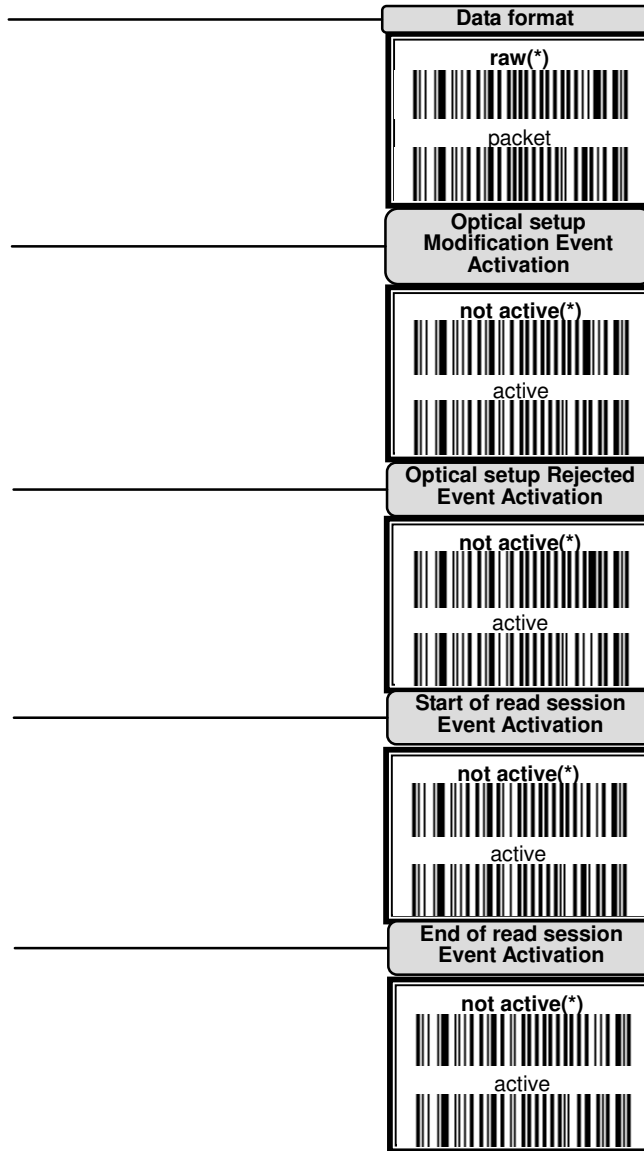
UPC/EAN

| | |
|--|---|
| <p>- GTIN processing transmits EAN/UPC as the 14 character GS1 Composite GTIN.</p> <p>- To use GTIN processing you must also activate the desired EAN/UPC symbologies.</p> | <p>GTIN processing</p> <p>Not active(*)</p>  <p>active</p>  |
| <p>- Applies a special algorithm for long-distance reading (default setting).</p> <p>- Use the "normal" setting if distance reading is not required.</p> | <p>Reading range</p> <p>Extended(*)</p>  <p>normal</p>  |
| | <p>Add-on digits</p> <p>Not required but transmitted if read(*)</p>  <p>required and transmitted</p>  |
| | <p>Add-on 2</p> <p>Not active(*)</p>  <p>active</p>  |
| | <p>Add-on 5</p> <p>Not active (*)</p>  <p>active</p>  |
| | <p>Add-on digit security</p> <p>10(*)</p>  |







Message Format



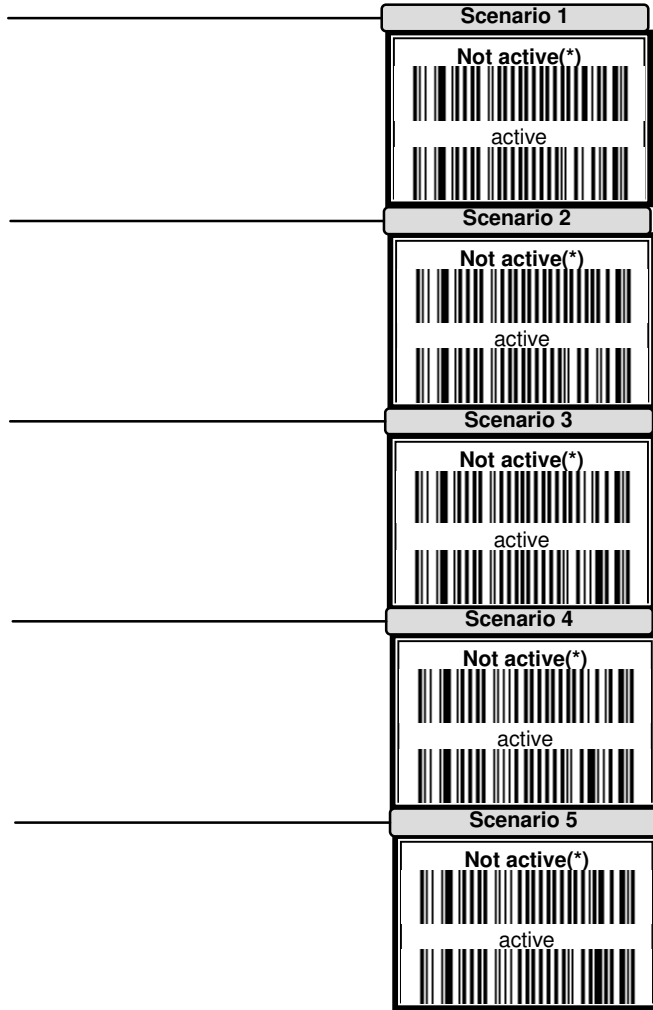
ISCP parameters



ISCP parameters

| | |
|---|-------|
| Scanner startup Event Activation | _____ |
| not active(*)  active  | |
| Trigger Pressed Event Activation | _____ |
| not active(*)  active  | |
| Trigger Released Event Activation | _____ |
| not active(*)  active  | |

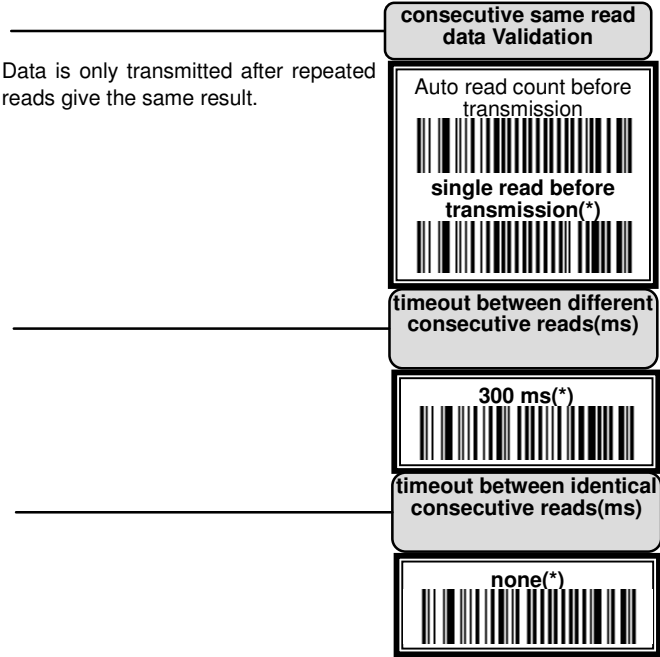
Data Editing












Data Editing

| Scenario 6 |
|--|
| <p>not active(*)</p>  <p>active</p>  |
| Scenario 7 |
| <p>not active(*)</p>  <p>active</p>  |

Decoding Security



Trigger settings

| | |
|--|---|
| Turn off after good read | |
| <p>active(*)</p>  <p>not active</p>  | |
| Timeout | |
| <p>2 sec(*)</p>  | |
| Trigger Mode | |
| <p>Continuous</p>  <p>Level(*)</p>  <p>Pulse</p>  <p>Flashing</p>  <p>Autostand</p>  <p>Auto Detect</p>  | <p>Continuous: At power up the lighting and decoding are on all the time. The trigger is not used</p> <p>Level: Lighting and decoding are on when the trigger line is activated (trigger pressed) and off when the trigger line is deactivated (trigger released).</p> <p>Pulse: Lighting and decoding are on when the trigger line is activated (trigger pressed) and stay on until a period of inactivity lasting the time specified by the trigger timeout.</p> <ul style="list-style-type: none"> - After the timeout lighting and decoding are turned off. |

Falshing: When a bar code is detected, the lighting and decoding automatically turn on and stay on until another period of inactivity (timeout), after the timeout the scanner starts flashing again.




Autostand: - Autostand begins in flashing mode: At power up the lighting and decoding are on (no need to activate the trigger line) and after a period of inactivity lasting the time specified by the trigger timeout, the scanner starts flashing.

Auto Detect: When a new bar code is presented the lighting and decoding restart and stay on until another period inactivity.




Beep/Led Indicator

Beep Indicator: You can adjust "Beep frequency", "Beep number" and "Beep Duration" of good reading upon your favorite usage.





Beep frequency(Hz)

High(2090 Hz)(*

medium(1760 Hz)

low(1318 Hz)


Good read Beep Number

none(*

1

2


Good read Beep Duration

60 ms

80 ms(*

200 ms

300 ms


Beep/Led Indicator

Good Read Led Duration

80 ms(*)



0.5 sec



1 sec



2.5 sec



5 sec



"Read" LED green = "good read"

Error beep

On(*)



Off



Setup beep

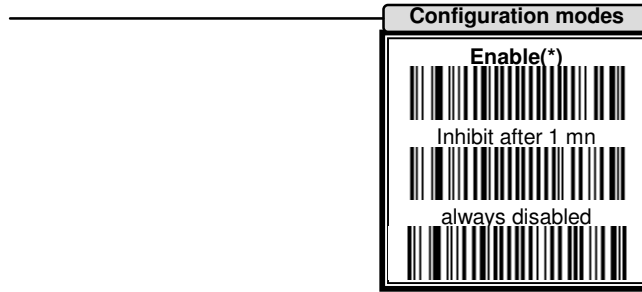
Off(*)



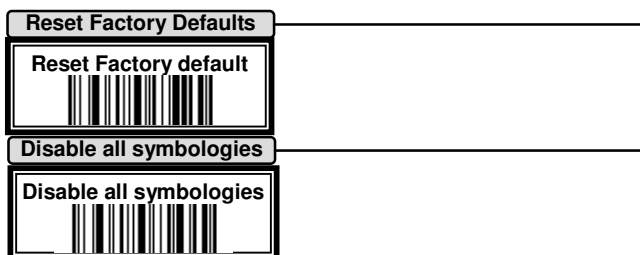
On



Configuration parameter



Control commands



Note: When you set “Rest Factory Defaults”, You must change trigger modes to “Auto Detect”(P.60)

Status Commands

